

Section 1: Identification of Company and Product

Company: Advanced Microdevices Pvt. Ltd.
21, Industrial Area, Ambala Cantt – 133 006
INDIA
Tel: +91-171-2699 290/ 2699 471
Fax: +91-171-2699 221/ 2699 008

Product: Blood Separation Membrane Type FR1 and FR2 and other variants made up of same constituents.

Trade Names/Synonyms:

- Blood Separation Membranes for Rapid Test
- RBC Separation Membranes for Rapid Immunodiagnostics

Section 2: Composition, Information on Ingredients

Component: Proprietary Fibers

Section 3: Potential Hazard Identification

Colour: White

Physical Form: Discs, Sheets and Strips of fibrous appearance

Odour: Odorless

Major Health Hazards: Not expected to present health hazards.

Physical Hazards: Not expected to present physical hazards

Potential Health Effects:

Inhalation:

- May cause mild irritation in the respiratory tract.

Skin contact:

- No allergic reaction reported. Prolonged contact may cause skin irritation.

Eyes:

- May cause irritation upon accidental contact with eye.

Ingestion:

- Although, unlikely to be ingested. Ingestion may cause irritation of digestive tract.

Section 4: Fire and Explosion Hazard

Fire hazard: No fire hazard at normal room temperature.

Explosion hazard: No unusual fire and explosion hazards known. Avoid inhalation of material.

Extinguishing media: Regular dry chemical, water, dry sand, earth, and regular foam. Move container from fire area if it can be done without risk

Large fires: Avoid inhalation of material or combustion by-products.

Section 5: Occupational Release Measures

Spills and leaks:

Land release: Scoop up the material and put in suitable container for disposal and non-hazardous waste.

Water release: The material will sink into water and disperse along the bottom of waterways and ponds. It cannot be easily removed after it is waterborne for 30 minutes.

Air release: The material will settle out of the air and settle on land. Then it can be scooped. Vacuuming is recommended.

Section 6: Handling and Storage

Storage:

Store and handle in accordance with all current regulations and standards. Store between 1 - 35 °C.

Avoid direct sunlight, contact with organic solvents, and heat.

Section 7: First Aid Measures

Inhalation:

This product is not considered to represent any inhalation hazard. Still if there is any irritation, move the person to fresh air and seek medical attention.

Skin Contact:

If it happens, remove contaminated clothing, wash the exposed skin thoroughly with soap or mild detergent and water. Do not rub or scratch the affected area. Rubbing or scratching may force the material fibers into the skin. If irritation persists or develops, please seek medical attention.

Eye Contact:

Though unlikely, eye contact may cause irritation. Flush eyes with ample quantity of water. Get medical attention immediately.

Ingestion:

The material is not expected to present any ingestion hazard in the form and quantities present in a workplace setting. However, if it occurs, have victim rinse mouth, drink ample quantity of water and seek medical attention.

Section 8: Physical and Chemical Properties

Physical and Chemical Properties:

Components	Blood Separation Membrane Type FR1
Physical state	Solid
Colour	White/ off White
Physical form	Sheet and strip
Odour	No odour
Melting point	Not applicable
Water Solubility	Insoluble
pH	Not applicable
Volatility	Not applicable
Freezing Point	Not Applicable
Viscosity	Not Applicable

Section 9: Stability and Reactivity

Chemical Stability:	Stable at normal Temperature and pressure
Conditions To Avoid:	Temperature above 50° C and heat sources (dry and or direct heat), sparks and contact with incompatible materials to be avoided
Hazardous Polymerisation:	No polymerisation will occur
Incompatible With:	Oxidizing agents
Hazardous Decomposition Products:	Oxides of carbon and nitrogen

Section 10: Toxicological Information

Carcinogenicity:	Not listed carcinogenic by NTP or OSHA. IARC listing Group-2B: Possibly carcinogenic to humans. May cause transitory irritation to exposed areas.
Chronic Effects:	No chronic health effects known
Toxicity Data:	None available

Section 11: Ecological Information

Ecological Information:	FR1 and FR2 materials are not expected to readily degrade in contact with water or soil.
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Section 12: Disposal Consideration

Disposal Consideration:	The components of these products are not hazardous. When used for filtration of potentially hazardous chemical or biological liquid/gas, it is recommended for the user to consult regulatory organization. In all other conditions, dispose in accordance with all applicable local regulations.
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Section 13: Exposure Control/Personal Protection

Exposure Limits:	No occupational exposure limits established.
Ventilation:	Based on available information, additional ventilation is not required. General ventilation is adequate.
Eye Protection:	Emergency eye wash fountain and quick drench shower is required in the work area.
Clothing:	Protective clothing is not required under normal conditions.
Gloves:	Protective gloves are not required under normal conditions.
Respirator:	No respirator is required under normal conditions of use. Under high dust environment, wear 42 CFR Part 84 approved particulate filters.



Material Safety Data Sheet Blood Separation Membranes Type FR*

Section 14: Transport Information

Transport Information: **Proper Shipping Name:** Not regulated
Hazard Class: None
Identification No.: None
Special Provision: None
Quantity limitation for air and surface transport: None
Packing exception: None

Section 15: Other Information

DISCLAIMER

The information contained herein is accurate to the best of the knowledge and experience of supplier. However, the supplier does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.